

Title (en)  
REFRIGERATION APPARATUS

Title (de)  
KÜHLVORRICHTUNG

Title (fr)  
APPAREIL DE RÉFRIGÉRATION

Publication  
**EP 3282208 A4 20181212 (EN)**

Application  
**EP 16786151 A 20160428**

Priority  
• JP 2015092118 A 20150428  
• JP 2016002239 W 20160428

Abstract (en)  
[origin: EP3282208A1] A refrigeration apparatus (10) includes a plurality of utilization-side units (12) connected to a heat-source-side unit (11) through a pair of interconnecting pipes (14, 15). While one or some of the utilization-side units (12) are in a suspended state, a controller (90) performs a pressure control operation. The pressure control operation is performed to control the degree of opening of a heat-source-side expansion valve (38) to prevent the pressure of a refrigerant in the liquid interconnecting pipe (14) from exceeding a predetermined upper limit. The controller (90) performs the pressure control operation to prevent a liquid hammer phenomenon caused by opening solenoid valves of the utilization-side units (12).

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)  
**F25B 41/24** (2021.01 - EP US); **F25B 49/027** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2400/075** (2013.01 - EP); **F25B 2600/17** (2013.01 - EP); **F25B 2600/2509** (2013.01 - EP)

Citation (search report)  
• [A] EP 1783443 A1 20070509 - DAIKIN IND LTD [JP]  
• [A] US 2008229769 A1 20080925 - TAKEGAMI MASAOKI [JP], et al  
• [A] JP 2013068344 A 20130418 - DAIKIN IND LTD  
• See references of WO 2016174874A1

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CN110173797A; US11268743B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3282208 A1 20180214**; **EP 3282208 A4 20181212**; **EP 3282208 B1 20191030**; JP 2016211839 A 20161215; JP 6052456 B2 20161227; WO 2016174874 A1 20161103

DOCDB simple family (application)  
**EP 16786151 A 20160428**; JP 2016002239 W 20160428; JP 2016090897 A 20160428